

ABSTRACT

An image interpolating method for interpolating a pixel at an intermediate position between a first original pixel and a second original pixel adjacent to the first original pixel, comprising a first step of calculating an edge component for judging whether or not an interpolated pixel is positioned in the vicinity of an edge position of original image data, a second step of determining a range where pixel data on the interpolated pixel is settable on the basis of the calculated edge component and pixel data on the first and second original pixels, and a third step of selecting a plurality of sets of opposed pixels between which the interpolated pixel is sandwiched diagonally, and determining, for each of the sets, the pixel data on the interpolated pixel in a case where a correlation value represented by the sum of the absolute values of the differences between the pixel data on the interpolated pixel and pixel data on the opposed pixels is the minimum in the range where the pixel data on the interpolated pixel is settable and the minimum correlation value.